

Peak District National Park

Forecast valid from 00:00 on Wednesday 08 Mar 2023 until 23:59 on Thursday 09 Mar 2023

Forecast Issued on Tuesday 07 Mar 2023 at 16:21

Confidence: High for a fine day Wednesday and for becoming more unsettled with significant snow on Thursday but lower for details from Thursday due to the uncertainty of the development and track of a low across the UK.

Headline for Wednesday 08 Mar 2023: Dry, cold with sunny spells. Generally light winds

Mountain weather hazards on Wednesday 08 Mar 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
No Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
Medium Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
No Likelihood

Poor visibility
No Likelihood

Strong sunlight
No Likelihood

Weather and chance of precipitation at 600m							
Time							
00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00
							
Clear night	Clear night	Partly cloudy (night)	Sunny intervals	Sunny intervals	Sunny intervals	Partly cloudy (night)	Partly cloudy (night)
Precipitation probability							
00%	00%	00%	00%	<05%	<05%	<05%	<05%

Forecast for Wednesday 08 Mar 2023

Weather: Dry clear and frosty at all levels overnight. Then a mostly dry and bright with some good spells of sunshine, the sunshine rather hazy at times as cloud well above the summits increases. Mainly dry with clear spells through the evening.

Chance of cloud-free hill tops above 600m: Close to 100%

Low cloud and visibility: A few patches of cloud possible above 600m at times in east, otherwise no cloud expected below the summits. Visibility will be generally excellent with good panoramic views of surrounding hills.

Forecast for Wednesday 08 Mar 2023

Height (m)	Wind Speed mean/gusts (mph)					Wind Direction (blowing from)			
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	4/6 N	6/8 E	8/12 E	9/13 E	10/16 E	11/17 E	14/22 E	16/23 E	13/19 E
300	4/5 E	4/6 E	5/10 NE	7/11 E	9/14 E	10/16 E	9/15 E	10/19 E	8/16 NE
Valley	3/5 E	4/7 E	6/13 E	8/13 E	7/14 E	8/16 E	8/20 E	9/20 E	8/19 E

Height (m)	Temperature / Feels Like (°C)								
	00:00	03:00	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	-4/-7	-4/-8	-5/-10	-4/-9	-2/-7	-2/-7	-2/-8	-3/-10	-4/-10
300	-2/-4	-2/-4	-2/-5	-1/-5	1/-3	1/-3	0/-4	-1/-5	-1/-6
Valley	-2/-4	-2/-5	-2/-6	-0/-4	2/-1	3/-1	1/-3	-0/-4	-1/-5
Freezing Level*	00m	00m	00m	00m	400m	400m	300m	00m	00m

*Level above which ground is expected to be frozen/snow is expected to settle.

Meteorologist's View

Valley temperatures locally minus 5 or 6 Celsius at dawn and struggling in places to get above freezing by day.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
15:00 on Tue 07 Mar 2023	1mm	7.4mm	7.4mm

Forecast for Thursday 09 Mar 2023

Weather: Dry overnight but cloud thickening. Outbreaks of snow are expected to spread northeast soon after dawn through the morning, becoming persistent and occasionally heavy by midday. Further occasionally heavy snow is expected through the afternoon, with lying snow drifting in the occasionally strong winds. Below about 450m, the snow then turns increasingly to rain through the evening below about 450m and tends to become lighter and patchier.

Maximum wind: Easterly 15mph soon increasing 20-25mph with gusts around 40mph likely over higher peaks through the late morning and afternoon, before winds turn more southerly and ease through the evening.

Chance of cloud-free hill tops above 600m: Around 75% at first but falling to near zero by mid-morning.

Low cloud and visibility: Occasional cloud above about 750m soon becoming periods or persistent above 450-600m, with patches below, by mid-morning. Away from cloud visibility very good falling to a kilometre or less in more persistent snow.

Temperature: **Valleys:** Around minus 3 or 4 Celsius in the early hours rising to plus 4 or 5 Celsius by late afternoon.
At 600m: Around minus 4 Celsius rising towards zero through the evening
Freezing level: All levels, rising to around 600m during the afternoon and evening.